

## PENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>GRFBP6238695</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB2004/003165</b>	International filing date (day/month/year) <b>21/07/2004</b>	(Earliest) Priority Date (day/month/year) <b>21/07/2003</b>
Applicant <b>DNA RESEARCH INNOVATIONS LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

Inte  
nal Application No  
PCT/GB2004/003165

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P	EP 1 382 675 A (FUJI PHOTO FILM CO LTD) 21 January 2004 (2004-01-21) the whole document -----	1-32
X	WO 01/88185 A (DNA RES INNOVATIONS LTD ; BAKER MATTHEW JOHN (GB)) 22 November 2001 (2001-11-22) the whole document -----	1-32
X	EP 0 268 946 A (DIAGEN GMBH) 1 June 1988 (1988-06-01) cited in the application the whole document -----	1-32
X	US 6 277 648 B1 (COLPAN METIN) 21 August 2001 (2001-08-21) the whole document -----	1-32
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the International search report

08/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Mueller, F

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/003165

## C. (continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/48164 A (DNA RES INNOVATIONS LTD ; BAKER MATTHEW JOHN (GB)) 20 June 2002 (2002-06-20) cited in the application see whole doc. esp. claims -----	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003165

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1382675	A	21-01-2004	JP	2004049108 A		19-02-2004
			EP	1382675 A1		21-01-2004
			US	2004063121 A1		01-04-2004
WO 0188185	A	22-11-2001	AU	6042701 A		26-11-2001
			CA	2408891 A1		22-11-2001
			EP	1287164 A2		05-03-2003
			WO	0188185 A2		22-11-2001
			JP	2003533212 T		11-11-2003
			US	2003173284 A1		18-09-2003
EP 0268946	A	01-06-1988	DE	3639949 A1		09-06-1988
			AT	94553 T		15-10-1993
			CA	1339772 C		24-03-1998
			DE	3787445 D1		21-10-1993
			DE	3787445 T2		07-07-1994
			EP	0268946 A2		01-06-1988
			JP	7013077 B		15-02-1995
			JP	63150294 A		22-06-1988
			US	5057426 A		15-10-1991
US 6277648	B1	21-08-2001	DE	4139664 A1		03-06-1993
			DE	4143639 C2		24-10-2002
			DE	59205979 D1		15-05-1996
			DE	59209549 D1		10-12-1998
			DE	59209997 D1		27-05-2004
			DK	616639 T3		19-07-1999
			DK	875271 T3		09-08-2004
			WO	9311218 A1		10-06-1993
			WO	9311221 A1		10-06-1993
			EP	0616638 A1		28-09-1994
			EP	0616639 A1		28-09-1994
			EP	0875271 A2		04-11-1998
			JP	7501222 T		09-02-1995
			JP	3329813 B2		30-09-2002
			JP	7501223 T		09-02-1995
			JP	3115324 B2		04-12-2000
			JP	3527884 B2		17-05-2004
			JP	2001095572 A		10-04-2001
			US	2001047966 A1		06-12-2001
WO 0248164	A	20-06-2002	US	2001018513 A1		30-08-2001
			AU	1620302 A		24-06-2002
			CA	2432075 A1		20-06-2002
			EP	1345952 A2		24-09-2003
			WO	0248164 A2		20-06-2002
			JP	2004521881 T		22-07-2004
			US	2003008320 A1		09-01-2003
			US	2003054395 A1		20-03-2003